



2000 Toxics Release Inventory

WASHINGTON

Reported Releases and Waste Management Activities (in pounds)

	Original Industry	New Industry	Total
On-site Releases	21,880,903	5,033,921	26,914,824
Air Emissions	18,698,788	1,203,882	19,902,669
Surface Water Discharges	2,776,004	1,125	2,777,130
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	30,216	31,927	62,143
Other On-site Land Releases	375,895	3,796,987	4,172,882
Off-site Releases (Transfers Off-site to Disposal)*	4,186,012	607,039	4,793,051
Total On- and Off-site Releases	26,066,915	5,640,960	31,707,875
Recycled On-site	24,677,110	4,923,854	29,600,964
Recycled Off-site	12,448,465	595,491	13,043,956
Energy Recovery On-site	13,770,832	0	13,770,832
Energy Recovery Off-site	655,032	1,321,042	1,976,074
Treated On-site	102,314,298	335,752	102,650,050
Treated Off-site**	4,687,121	30,231	4,717,352
Quantity Released On- and Off-site***	24,970,609	5,306,707	30,277,317
Total Production-related Waste Managed	183,523,467	12,513,077	196,036,544
Non-production-related Waste Managed	153,585	0	153,585

Transfers Off-site for Further Waste Management/Disposal

Recycling	11,347,715	582,848	11,930,563
Energy Recovery	684,495	1,123,917	1,808,412
Treatment	956,976	45,148	1,002,124
Publicly Owned Treatment Works (POTWs)	4,193,746	267	4,194,013
Metals and Metal Compounds*	3,447	256	3,703
Non-metal TRI Chemicals**	4,190,299	11	4,190,310
Other Off-site Transfers****	2	0	2
Transfers Off-site to Disposal (not including metals to POTWs)	4,731,975	627,107	5,359,082
Total Transfers Off-site for Further Waste Management/Disposal	21,914,908	2,379,287	24,294,196

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

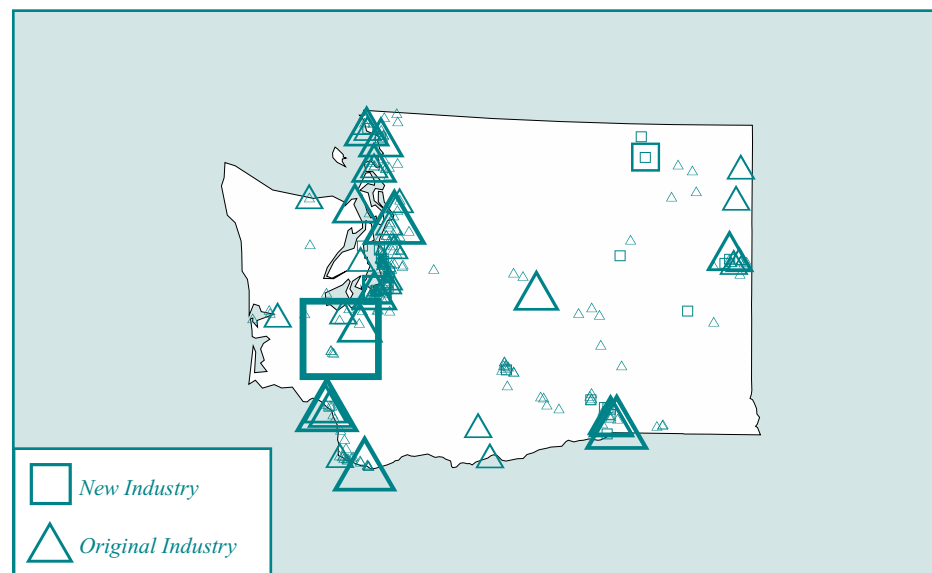
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Support Service (TRI-US):
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Fax: (202) 401-2347
tri.us@epa.gov



The largest marker in the state map represents the largest facility for on-site releases in the state of Washington. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	5,908,372
Square Miles	66,581
Total Facilities	311
Total Forms	1,280
Form As	182

	Original Industry	New Industry	Total
National Rank for Total On- and Off-site Releases*			
Rank	28	42	36
Pounds	26,066,915	5,640,960	31,707,875
National Rank for Total On-site Releases**			
Rank	27	44	35
Pounds	21,880,903	5,033,921	26,914,824
National Rank for Total Releases within State***			
Rank	29	43	36
Pounds	23,546,408	5,569,055	29,115,463
National Rank for Production-related Waste Managed			
Rank	28	41	32
Pounds	183,523,467	12,513,077	196,036,544

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



2000 Toxics Release Inventory

WASHINGTON

On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
67-56-1	Methanol	3,918,781	345,175	0	7	30,912	4,294,875	34	16,215	14,697
—	Barium compounds	465	10,478	0	2,243,412	464,703	2,719,058	296	237,835	226,868
7664-41-7	Ammonia	1,866,107	281,990	0	37,107	73,601	2,258,805	0	69,018	4,583
463-58-1	Carbonyl sulfide	2,198,010	0	0	0	0	2,198,010	0	0	0
—	Nitrate compounds	536	1,697,048	0	230,060	175,949	2,103,593	0	14,548	161,401

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Polycyclic aromatic compounds	93,820.88	254.20	0.00	225.59	1,807,402.35	1,901,703.02	0.00	257.65	1,807,144.70
191-24-2	Benzo(g,h,i)perylene	4,626.23	23.60	0.00	8.30	63,188.92	67,847.05	0.00	10.42	63,178.50
—	Mercury compounds	101.51	49.50	0.00	1,546.40	25,288.49	26,985.90	7.36	1,469.30	23,819.19
1336-36-3	Polychlorinated biphenyls (PCBs)	0.00	0.00	0.00	2,938.00	2,999.00	5,937.00	14,089.77	2,938.00	61.00
79-94-7	Tetrabromobisphenol A	930.00	0.00	0.00	0.00	464.00	1,394.00	0.00	0.00	464.00
7439-97-6	Mercury	481.14	1.19	0.00	106.80	29.02	618.15	0.00	23.22	5.80
1582-09-8	Trifluralin	51.00	0.00	0.00	243.00	0.00	294.00	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.09	0.10	0.00	0.05	0.18	0.41	0.00	0.16	0.02
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>40.316</i>	<i>44.260</i>	<i>0.000</i>	<i>22.046</i>	<i>80.860</i>	<i>187.481</i>	<i>0.060</i>	<i>71.032</i>	<i>9.828</i>
72-43-5	Methoxychlor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76-44-8	Heptachlor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118-74-1	Hexachlorobenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

*** No reports were submitted for these chemicals.



2000 Toxics Release Inventory

WASHINGTON

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Transalta Centralia Generation / Mining, Centralia, Lewis	789,939	645	0	0	0	3,453,059	4,243,643	226,279	2,330
Weyerhaeuser Co., Longview, Cowlitz	2,576,651	101,186	0	0	0	0	2,677,836	132,922	0
Fort James Camas L.L.C., Camas, Clark	1,140,681	408,547	0	0	0	1,317	1,550,545	0	820
Boise Cascade Paper Div., Wallula, Walla Walla	1,344,939	140,886	0	0	0	6,816	1,492,641	0	7
Kimberly-Clark Tissue Co., Everett, Snohomish	670,744	534,266	0	0	0	84,510	1,289,520	128,615	0
Tesoro Northwest Co., Anacortes, Skagit	884,774	1,711	0	0	0	1,016	887,501	0	73
Agrium U.S. Inc. KFO Kennewick, Kennewick, Benton	762,145	9,785	0	0	0	78,805	850,735	0	148,230
Simpson Tacoma Kraft Co., Tacoma, Pierce	678,143	142,242	0	0	0	0	820,385	268	0
Longview Fibre Co., Longview, Cowlitz	629,020	96,222	0	0	0	0	725,242	159,002	0
Alcoa Wenatchee Works, Malaga, Chelan	683,889	0	0	0	0	0	683,889	0	17,816

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Reynolds Metals Co. Longview Reduction Plant, Longview, Cowlitz	56,795.60	100.70	0.00	0.00	0.00	0.00	56,896.30	3.20	1,845,567.00
Intalco Aluminum Corp., Ferndale, Whatcom	16,000.00	0.00	0.00	0.00	0.00	0.00	16,000.00	0.00	0.00
Goldendale Aluminum Co., Goldendale, Klickitat	7,700.00	0.00	0.00	0.00	0.00	0.00	7,700.00	0.00	0.00
Alcoa Wenatchee Works, Malaga, Chelan	6,966.00	0.00	0.00	0.00	0.00	0.00	6,966.00	0.00	17,652.00
Kaiser Aluminum Tacoma Works, Tacoma, Pierce	5,424.00	5.20	0.00	0.00	0.00	0.00	5,429.20	0.00	6,796.00
Allied Tech. Group Inc., Richland, Benton	0.00	0.00	0.00	0.00	2,940.00	0.00	2,940.00	2,940.00	0.00
Tosco Refining Co. Ferndale Refy., Ferndale, Whatcom	1,815.01	0.00	0.00	0.00	0.00	2.20	1,817.21	0.00	14.19
Welch's, Grandview, Yakima	1,532.69	0.00	0.00	0.00	0.00	0.00	1,532.69	0.00	0.00
Boeing Commercial Airplane Group Everett, Everett, Snohomish	930.00	0.00	0.00	0.00	0.00	0.00	930.00	0.00	0.00
Echo Bay Inc. K2 Mine, Curlew, Ferry	0.00	0.00	0.00	0.00	0.00	776.60	776.60	0.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Transalta Centralia Generation / Mining, Centralia, Lewis	0	0	0	0	92,376	0	4,473,342	4,565,718	0
Weyerhaeuser Co., Longview, Cowlitz	1,000	0	0	500	8,589,500	0	2,777,591	11,368,591	100
Reynolds Metals Co. Longview Reduction Plant, Longview, Cowlitz	0	14,547	0	0	3,333,528	5,577	2,426,254	5,779,906	0
Fort James Camas L.L.C., Camas, Clark	0	0	2,705,410	0	4,083,100	7,400	1,552,778	8,348,688	0
Boise Cascade Paper Div., Wallula, Walla Walla	0	0	29,000	0	31,065,900	0	1,491,765	32,586,665	0
Kimberly-Clark Tissue Co., Everett, Snohomish	0	0	168,000	0	3,872,400	0	1,418,305	5,458,705	0
Agrium U.S. Inc. KFO Kennewick, Kennewick, Benton	0	0	0	0	0	0	999,220	999,220	63,950
Tesoro Northwest Co., Anacortes, Skagit	546,081	0	2,273,000	0	729,612	1,589	883,554	4,433,836	0
Longview Fibre Co., Longview, Cowlitz	29,000	0	230,490	0	8,547,400	0	882,770	9,689,660	0
Simpson Tacoma Kraft Co., Tacoma, Pierce	0	0	291,000	0	6,416,580	0	756,716	7,464,296	20

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Reynolds Metals Co. Longview Reduction Plant, Longview, Cowlitz	0	0	0	0	0	1,822	1,902,618	1,904,440	0
Alcoa Wenatchee Works, Malaga, Chelan	113,052	0	0	0	0	0	24,618	137,670	0
Georgia-Pacific West Inc., Bellingham, Whatcom	110,000	0	0	0	0	0	23,000	133,000	0
Intalco Aluminum Corp., Ferndale, Whatcom	2,638	0	0	0	2,638	0	16,000	21,276	0
Kaiser Aluminum Tacoma Works, Tacoma, Pierce	0	0	0	0	133,913	0	12,225	146,138	0
Goldendale Aluminum Co., Goldendale, Klickitat	0	0	0	0	14,605	0	7,700	22,305	0
Tosco Refining Co. Ferndale Refy., Ferndale, Whatcom	8,540	0	0	0	0	17	1,849	10,406	2
Welch's, Grandview, Yakima	0	0	0	0	0	0	1,533	1,533	0
Boeing Commercial Airplane Group Everett, Everett, Snohomish	0	0	0	0	0	0	930	930	0
Echo Bay Inc. K2 Mine, Curlew, Ferry	0	0	0	0	0	0	767	767	0

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.